

## TRANSMITTAL LETTER TO THE UNITED STATES

DESIGNATED/ELECTED OFFICE (DO/EO/US)

CONCERNING A FILING UNDER 35 U.S.C. 371

2014

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

10/070710

INTERNATIONAL APPLICATION NO.

PCT/DE 01/01468

INTERNATIONAL FILING DATE

APRIL 14, 2001

PRIORITY DATE CLAIMED

AUGUST 3, 2000

TITLE OF INVENTION

SAW BLADE FOR POWER TOOLS

APPLICANT(S) FOR DO/EO/US

Martin KOCHER, Daniel GROLIMUND

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7. ☐ A copy of the International Search Report (PCT/ISA/210).
8. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
9. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
10. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

## Items 13 to 18 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.  
A **SECOND** or **SUBSEQUENT** preliminary amendment.
16. ☐ A substitute specification.
17. ☐ A change of power of attorney and/or address letter.
18. ☒ Certificate of Mailing by Express Mail
19. ☐ Other items or information:

ET 7966 89209 US.

1010 Rec'd PTO 12 MAR 2002

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.101) <b>107070710</b>	INTERNATIONAL APPLICATION NO. <b>PCT/DE 01/01468</b>	ATTORNEY'S DOCKET NUMBER <b>2014</b>
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20. The following fees are submitted:

**BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5)) :**

<input type="checkbox"/> Search Report has been prepared by the EPO or JPO .....	<b>\$930.00</b>
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) .....	<b>\$720.00</b>
<input type="checkbox"/> No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) .....	<b>\$790.00</b>
<input checked="" type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....	<b>\$1,070.00</b>
<input type="checkbox"/> International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) .....	<b>\$98.00</b>

CALCULATIONS PTO USE ONLY	

<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		<b>\$890.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).		<b>\$0.00</b>	

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	10 - 20 =	0	x \$18.00	<b>\$0.00</b>	
Independent claims	1 - 3 =	0	x \$80.00	<b>\$0.00</b>	

Multiple Dependent Claims (check if applicable).	<input type="checkbox"/>	<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$890.00</b>	

Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).	<input type="checkbox"/>	<b>\$0.00</b>	
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<b>SUBTOTAL =</b>	<b>\$890.00</b>	
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Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).	<b>\$0.00</b>	
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<b>TOTAL NATIONAL FEE =</b>	<b>\$890.00</b>	
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).	<input checked="" type="checkbox"/>	<b>\$40.00</b>	
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<b>TOTAL FEES ENCLOSED =</b>	<b>\$930.00</b>	
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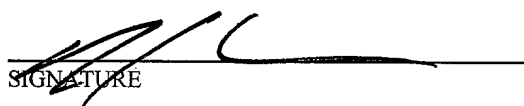
	Amount to be: refunded	\$
	charged	\$

☐ A check in the amount of \_\_\_\_\_ to cover the above fees is enclosed.

☒ Please charge my Deposit Account No. **19-4675** in the amount of **\$930.00** to cover the above fees.  
A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment to Deposit Account No. **19-4675** A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

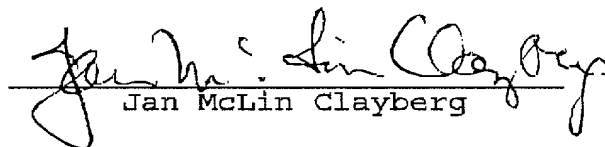
SEND ALL CORRESPONDENCE TO:  <b>STRIKER, STRIKER &amp; STENBY 103 EAST NECK ROAD HUNTINGTON, NEW YORK 11743</b>	 <b>SIGNATURE</b>  <b>MICHAEL J. STRIKER</b> <b>NAME</b>  <b>27233</b> <b>REGISTRATION NUMBER</b>  <b>MARCH 12, 2002</b> <b>DATE</b>
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March 11, 2002

DECLARATION

The undersigned, Jan McLin Clayberg, having an office at 5316 Little Falls Road, Arlington, VA 22207-1522, hereby states that she is well acquainted with both the English and German languages and that the attached is a true translation to the best of her knowledge and ability of international patent application PCT/DE 01/01458 of KOCHER, M., ET AL., entitled "SAW BLADE FOR POWER TOOLS".

The undersigned further declares that the above statement is true; and further, that this statement was made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or document or any patent resulting therefrom.

  
Jan McLin Clayberg

10/070710  
JC10 Rec'd PCT/PTO 12 MAR 2002

UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner:                      Group:                      Attorney Docket # 2014

Applicant(s) : KOCHER, M., ET AL

Serial No. :                      :

Filed :                      :

For : SAW BLADE FOR POWER TOOLS

SIMULTANEOUS AMENDMENT

March 12, 2002

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

S I R S:

Simultaneously with filing of the above identified application  
please amend the same as follows:

In the Claims:

Cancel all claims without prejudice.

Substitute the claims attached hereto.

REMARKS:

This Amendment is submitted simultaneously with filing of the above identified  
application.

With the present Amendment applicant has amended the claims so as to eliminate  
their multiple dependency.

10070710-034202

[illegible]

Michael J. Striker

~~Michael J. Striker~~  
~~Attorney for Applicant(s)~~  
~~Reg. No. 27233~~

## Claims

1. A saw blade for power tools, in particular for power reciprocating saws, having a blade back (11) and a tothing (12), extending along the lower edge of the blade back, comprising many saw teeth (13) lined up in succession, characterized in that in successive portions (a, b) of the tothing (12), each with an integral number of saw teeth (13), the saw teeth (13) are embodied with the same tooth width ( $a_z$ ,  $b_z$ ), which however is different from the saw teeth (13) in the preceding or succeeding portion (b, a) of the tothing (12).

2. The saw blade of claim 1, characterized in that the tooth width ( $a_z$ ) of the saw teeth (13) in one set of portions (a) of the tothing (12) is equivalent to the thickness of the blade back (11), and the tooth width ( $b_z$ ) differing from it of the saw teeth (13) in the other portions (b) of the tothing (12) is brought about by material removal or material compacting.

3. The saw blade of claim 2, characterized in that in successive portions (b) of the tothing (12) with saw teeth (13) having the reduced tooth width ( $b_z$ ), the material removal or material compacting is performed in alternation from one side and the other of the blade back (11).

4. The saw blade of claim 3, characterized in that the saw teeth (13) with the reduced tooth width ( $b_z$ ) are transposed, and the transposition is done toward the side of the blade back (11) remote from the material removal or material compacting.

5. The saw blade of [one of claims 2-4] claim 2,

characterized in that parallel recesses (14, 15; 14', 15'; 14'', 15'') spaced apart from one another are made in the blade back (11) on both sides of the blade back (11) and extend past the saw teeth (13) as far as the underside, remote from the blade back (11), of the tothing (12), and that the recesses (14) on one side of the blade back (11) and the recesses (15) on the other side of the blade back (11) are disposed offset from one another longitudinally of the saw blade.

6. The saw blade of claim 5, characterized in that the recesses (14, 15) are extended as far as the upper edge (111), remote from the tothing (12), of the blade back (11).

7. The saw blade of claim 5, characterized in that the recesses (14', 15'; 14'', 15'') end at a distance in front of the upper edge (111), remote from the tothing (12), of the blade back (11).

8. The saw blade of [one of claims 5-7] claim 5, characterized in that the recesses (14, 15; 14', 15') are inclined relative to the tothing (12) at an acute angle ( $\alpha$ ) in the advancement direction of the saw blade (11), and preferably the acute angle ( $\alpha$ ) is equivalent to the rake angle of the saw teeth (13).

9. The saw blade of [one of claims 2-8] claim 2, characterized in that successive portions (a, b) of the tothing (12) have in alternation one tooth of large tooth width ( $a_z$ ) and two teeth (13) of reduced tooth width ( $b_z$ ).

10. The saw blade of [one of claims 5-9] claim 5, characterized in that the recesses (14, 15; 14', 15'; 14'', 15'')

are cut into the blade back (11) and the tothing (12) before the transposition of the saw teeth (13).

11 12 13



## Claims

1. A saw blade for power tools, in particular for power reciprocating saws, having a blade back (11) and a tothing (12), extending along the lower edge of the blade back, comprising many saw teeth (13) lined up in succession, characterized in that in successive portions (a, b) of the tothing (12), each with an integral number of saw teeth (13), the saw teeth (13) are embodied with the same tooth width ( $a_z$ ,  $b_z$ ), which however is different from the saw teeth (13) in the preceding or succeeding portion (b, a) of the tothing (12).

2. The saw blade of claim 1, characterized in that the tooth width ( $a_z$ ) of the saw teeth (13) in one set of portions (a) of the tothing (12) is equivalent to the thickness of the blade back (11), and the tooth width ( $b_z$ ) differing from it of the saw teeth (13) in the other portions (b) of the tothing (12) is brought about by material removal or material compacting.

3. The saw blade of claim 2, characterized in that in successive portions (b) of the tothing (12) with saw teeth (13) having the reduced tooth width ( $b_z$ ), the material removal or material compacting is performed in alternation from one side and the other of the blade back (11).

4. The saw blade of claim 3, characterized in that the saw teeth (13) with the reduced tooth width ( $b_z$ ) are transposed, and the transposition is done toward the side of the blade back (11) remote from the material removal or material compacting.

5. The saw blade of claim 2, characterized in that

parallel recesses (14, 15; 14', 15'; 14'', 15'') spaced apart from one another are made in the blade back (11) on both sides of the blade back (11) and extend past the saw teeth (13) as far as the underside, remote from the blade back (11), of the tothing (12), and that the recesses (14) on one side of the blade back (11) and the recesses (15) on the other side of the blade back (11) are disposed offset from one another longitudinally of the saw blade.

6. The saw blade of claim 5, characterized in that the recesses (14, 15) are extended as far as the upper edge (111), remote from the tothing (12), of the blade back (11).

7. The saw blade of claim 5, characterized in that the recesses (14', 15'; 14'', 15'') end at a distance in front of the upper edge (111), remote from the tothing (12), of the blade back (11).

8. The saw blade of claim 5, characterized in that the recesses (14, 15; 14', 15') are inclined relative to the tothing (12) at an acute angle ( $\alpha$ ) in the advancement direction of the saw blade (11), and preferably the acute angle ( $\alpha$ ) is equivalent to the rake angle of the saw teeth (13).

9. The saw blade of claim 2, characterized in that successive portions (a, b) of the tothing (12) have in alternation one tooth of large tooth width ( $a_z$ ) and two teeth (13) of reduced tooth width ( $b_z$ ).

10. The saw blade of claim 5, characterized in that the recesses (14, 15; 14', 15'; 14'', 15'') are cut into the blade back (11) and the tothing (12) before the transposition of the

saw teeth (13).

[illegible]